Index of Claims

| Application No. | Applicant(s)  |  |
|-----------------|---------------|--|
| 10/643,018      | KLAERS ET AL. |  |
| Examiner        | Art Unit      |  |

Gregory R. Del Cotto

1751

| 1 | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| 1 | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|              |  | L                |  |                 |              |          | J        |           | L        | Т.       |   |                        |          |          |          |                 |               | J        | Щ  |          |          |          |     |             | J          | Ц.       |
|--------------|--|------------------|--|-----------------|--------------|----------|----------|-----------|----------|----------|---|------------------------|----------|----------|----------|-----------------|---------------|----------|--|----------|----------|----------|-----|-------------|------------|----------|
|              | Claim                                      | Τ-               |  |                 |              | Dat      | <u> </u> | -         |          |          | 7 | Cli                    | aim      | Т        | _        |                 |               | Oat      |  |          |          |          | 1   | С           | laim       | г        |
| <b> </b>     |  | ┢                | 115  | т               | Т            | T        | T        | T         | Т        | Т        | 4 | 1-0                    |          | ╁╴       | Т        | т-              | $\overline{}$ | T        | <del>-</del>                                     | _        | _        | T        | 1   | $\vdash$    |            |          |
| 1 =          | Original                                   | ľ                | 3  |                 |              | l        | П        |           |          | 1        |   | <del> </del>           | Original | ı        | ı.       |                 |               | 1        |  | 1        |          | 1        |     | =           | Original   |          |
| Fla          | <b>\bar{\bar{\bar{\bar{\bar{\bar{\bar{</b> | 1.               | ادا  | '               |              | 1        | 1        |           |          | 1        |   | Final                  | <u> </u> | L        | 1        |                 |               |          | 1  | l        | ı        | 1        | L   | Final       | .p         |          |
| "            | Ö  | 104              | كەا  |                 |              | 1        | ı        | 1         |          | ı        | 1 | "                      | δ        | l        | 1        |                 |               |          |  |          |          | 1        | ı   | "           | ō          |          |
| $\vdash$     | 1  | $\overline{\nu}$ | 一  | ╁               | ╁╴           | ╂─       | ╁╴       | ╁╴        | ╁        | ╆        | ┨ | -                      | 51       | ╀        | ╁╴       | ╁               | ╁╾            | ╁        | $\vdash$   | $\vdash$ | ⊢        | ┢        | i   | ┝           | 101        | -        |
| $\vdash$     | 1 2  | 4                | ╁  | ╁               | ╁┈           | ┼~       | ╁        | ╁         | +        | ╁        | ┨ | -                      | 52       | ╁        | ╁╴       | ╁╴              | ╁             | $\vdash$ | Н  | $\vdash$ | $\vdash$ | Н        | 1   | <b></b> -   | 102        | $\vdash$ |
| $\vdash$     | 3  | H                | ╁╌   | +               | ╁╌           | ╁╴       | ╂╾       | ╁╌        | ╁        | ╁        | 1 | -                      | 53       | ╁        | ╁        | +               | ╁             | ╁        | ╁╌   | -        | $\vdash$ | ⊢        | 1   | <del></del> | 103        | $\vdash$ |
| $\vdash$     | 1 4  | ╫                | ╁╴   | ✝               | ╁            | 1-       | ┿        | ╁╌        | ╁        | ╁        | ┨ | $\vdash$               | 54       | +-       | ╁╴       | +               | ╁╌            | ╁        | <del>                                     </del> | _        | $\vdash$ | $\vdash$ | 1   | $\vdash$    | 104        |          |
| $\vdash$     | 5  | H                | +  | ╁               | ╁╌           | ╀╌       | ╁╌       | +         | ╁        | ╁        | ┨ | $\vdash$               | 55       | $\vdash$ | Н        | +               | +-            | ┼        | Н  | $\vdash$ | ┢        | ╁        | ł   |             | 105        | Н        |
| $\vdash$     | 6  | H                | +  | +               | t            | Н        | 十        | ╅╴        | ╁╴       | ╁        | ┨ |                        | 56       | ╁╴       | ╁        | t               | t             | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$ | H        | 1   | $\vdash$    | 106        | Н        |
| $\vdash$     | <del>  7</del>                             | H                | t  | 1               | t            | 1        | ╆        | ✝         | t        | ╆        | 1 | -                      | 57       | ╁        | t        | ╁               | t             | 1        | $\vdash$   | $\vdash$ | -        | ╁╴       | i   | $\vdash$    | 107        | Н        |
| -            | 8  | Ħ                | 十  | 1               | ╁            |          | ╁        | +         | ╁╌       | †        | 1 | $\vdash$               | 58       | t        | t        | T               | t             | t        |  | М        | _        | $\vdash$ | 1   |             | 108        |          |
|              | 9  | Ħ                | $\vdash$   | 1               | ✝            |          | 1        | $\vdash$  | $\vdash$ | 1        | 1 | <b></b>                | 59       | 1        | 1        | T               | 1             | ┪        | Н  | Т        |          | ┪        | i   |             | 109        |          |
| $\vdash$     | 10   | Ħ                | 1  | T               | 十            | 一        | 1        | t         | ✝        | T        | 1 |                        | 60       | t        | ✝        | 1-              | t             |          |  | Н        | _        | 一        | 1   |             | 110        |          |
|              | 11   | Ħ                | <del>                                     </del> | †               | T            | T        | _        | T         | T        | t        | 1 | $\vdash$               | 61       | 1        | T        | 1               | T             | T        | П  |          |          | 1        | 1   |             | 111        |          |
|              | 12   | 11               | t  | 1-              | 1-           | 1        | 1        | Т         | T        | T        | 1 |                        | 62       |          | Г        | †~~             | 1             |          |  |          |          |          | 1   |             | 112        |          |
|              | 13   | 11               | Т  | Г               | Г            |          | 1        | Г         | Т        | T        | 1 |                        | 63       |          | Г        | Т               | Π             |          |  |          |          | Г        | 1   |             | 113        |          |
|              | 14   | 17               |  | Т               | T            |          | T        | Т         | 1        | T        | 1 | П                      | 64       | Т        | Г        | T               | 1             |          | П  |          |          | Г        | 1   |             | 114        |          |
|              | 15   | 11               | _  | 1               | 1            | $\vdash$ | T-       |           | 1        | T        | 1 |                        | 65       |          |          | T               |               |          | П  |          |          |          | 1   |             | 115        |          |
|              | 16   | 11               |  | Т               | Г            | Г        | Г        | T         | Г        | 1        | 1 |                        | 66       |          |          | Τ               |               | Г        |  |          |          | П        |     |             | 116        |          |
|              | 17   | 11               |  | 1               |              |          |          | T         | Г        |          | 1 | $\Box$                 | 67       | Г        |          | T               | Г             | Г        |  |          |          | Г        |     |             | 117        |          |
|              | 18   | 11               | Т  | П               | П            | Г        |          | Г         | Г        | Γ        | 1 |                        | 68       | П        | П        | Τ               | П             | Г        |  |          |          | Г        |     |             | 118        |          |
|              | 19   | 1                |  | П               | Г            | Г        |          | П         |          | Γ        | 1 | П                      | 69       |          | П        | Π               | Π             |          |  |          |          |          |     |             | 119        |          |
|              | 20   | П                |  |                 |              |          |          |           |          |          | 1 |                        | 70       |          | Ī        |                 |               |          |  |          |          |          |     |             | 120        |          |
|              | 21   |                  | Γ  | Π               |              |          |          |           |          |          | ] |                        | 71       |          |          | Г               | П             |          |  |          |          |          |     |             | 121        |          |
|              | 22   | П                |  |                 |              |          |          |           | Γ        |          | ] |                        | 72       |          | Г        |                 |               |          |  |          |          |          |     |             | 122        |          |
| $\Box$       | 23   | $ \Psi $         |  |                 |              |          |          |           |          |          | ] |                        | 73       |          |          | Г               |               |          |  |          |          |          |     |             | 123        |          |
|              | 24   | V                |  |                 |              |          |          |           |          |          | } |                        | 74       |          |          |                 |               |          |  |          |          |          |     |             | 124        |          |
|              | 25   |                  | V  |                 |              |          |          |           |          |          |   |                        | 75       |          |          |                 |               |          |  |          |          |          |     |             | 125        |          |
|              | 26   |                  | Λ  |                 |              |          |          |           |          |          |   |                        | 76       |          |          |                 |               |          |  |          |          |          |     |             | 126        |          |
|              | 27   |                  | Ш  |                 | $oxed{oxed}$ |          |          |           |          |          |   |                        | 77       |          |          |                 |               |          |  |          |          |          |     |             | 127        | $\Box$   |
|              | 28   |                  | Ш  | 匚               |              |          |          |           | L        |          | ] |                        | 78       |          |          |                 |               |          |  |          |          |          |     |             | 128        |          |
|              | 29   | L.               | Ш  | 乚               |              |          |          |           | <u> </u> | L        | Ţ |                        | 79       |          | L        | L               | L             |          |  | $\Box$   |          |          |     |             | 129        |          |
| L_           | 30   |                  | Ц  |                 |              |          |          | L         | L        | L        | 1 | $\Box$                 | 80       | oxdot    | L        | 匚               |               |          |  |          |          |          |     |             | 130        |          |
| L.           | 31   |                  | Щ  |                 | Ш            |          | ᆫ        | L         | L        | 乚        | ] |                        | 81       | L        |          | <u>_</u>        | Ц             | Ш        |  | _        |          |          |     |             | 131        | $\sqcup$ |
| <u></u>      | 32   |                  | Ш  |                 | Ш            |          | L        |           | Щ        | <u> </u> | ] |                        | 82       |          | L        |                 |               |          | _  | $\perp$  | $\Box$   |          |     |             | 132        |          |
| $\perp$      | 33   | Щ                | Ш  | $\sqcup$        | Ш            |          | L        | L_        | <u> </u> | L        | 1 | igsquare               | 83       | <u> </u> | L        |                 | Щ             |          | _  |          |          | Ш        |     |             | 133        |          |
| $\vdash$     | 34   |                  | Щ.,  | L.              | Ш            |          | _        |           | ╙        | L        | 1 | $\sqcup$               | 84       |          | Ш        | _               | Щ             | _        | 4  | 4        | 4        |          |     |             | 134        | 4        |
| $\vdash$     | 35   | Ш                | Ш  | $oxed{oxed}$    | Щ            |          | L        | Ш         | <u> </u> | _        |   | igsquare               | 85       |          | _        | _               | Щ             | Ц        | _  | 4        | _        | _        | ١   |             | 135        | _        |
| ⊢            | 36   | Щ                | Н.,  |                 | Щ            | _        | <u> </u> | Щ         | <u> </u> | _        | 1 | ╙                      | 86       | Ш        | L        | <b> </b>        | Ы             | Ц        | _  |          | _        |          | ļ   |             | 136        | 4        |
| <u></u>      | 37   | Ш                | Щ.,  | Щ               | Щ            |          | Ш        | <b>.</b>  | -        | _        | 1 | $\vdash \vdash$        | 87       | Щ,       | _        |                 | Ш             | <b>_</b> | -  | _        | _        | Ц        | ļ   |             | 137        | 4        |
| <u></u>      | 38   | Щ                | Щ  | Ш               | Ш            | $\dashv$ | Щ        |           | Щ        | <u> </u> | Į | ⊢⊢∤                    | 88       | Ш        | $\vdash$ | Щ               | Н             |          | -  | 4        | 4        | _        | ļ   |             | 138        | 4        |
| <b>—</b>     | 39   |                  | Ш  |                 | Щ            | _        | ļ.,      | ٠.,       | _        | _        | ł | $\vdash \vdash \vdash$ | 89       | Ш        |          | Н               | Ш             | $\dashv$ |  |          | _        |          | ļ   |             | 139        | -        |
|              | 40   |                  | Ш  | Ш               | Ш            | _        | L        |           |          | <u> </u> | 1 | ┝─┤                    | 90       | Ш        | _        | Щ               | Щ             | _        | _  | _        | 4        |          | ļ   |             | 140        | -4       |
| -            | 41   | -                | $\mathcal{H}$                                    | $\vdash$        | $\vdash$     | $\dashv$ | Щ        | $\square$ | $\vdash$ | _        | l |                        | 91       | Н        | Н        | Н               | Ш             | -        | 4  | -        | 4        |          | ļ   | i           | 141        | -        |
|              | 42   | _                | -#   | $\vdash \vdash$ | $\dashv$     | $\dashv$ | Щ        | $\vdash$  | Н        | _        | [ | <b> </b>               | 92       | _        | Н        | Н               | $\vdash$      | 4        | -  | 4        | $\dashv$ |          | ļ   |             | 142        | -        |
| <u> </u>     | 43   | $\dashv$         | +  | -               | $\vdash$     | $\dashv$ | $\dashv$ | $\vdash$  | -        | -        |   |                        | 93       | -        | Н        | Н               | $\dashv$      | -        | -  | $\dashv$ | -1       |          | -   |             | 143        | -        |
| <b></b>      | 44   | $\dashv$         | -H   | $\dashv$        | $\dashv$     |          | Н        | -         | $\vdash$ |          |   | $\vdash \vdash$        | 94       | -        | -        | $\vdash \vdash$ | $\vdash$      |          | $\dashv$   | +        | 4        | $\dashv$ | -   |             | 144        | +        |
| ├—           | 45   |                  | +  |                 | $\dashv$     | $\dashv$ | -        | -         | $\vdash$ |          |   | ├─┼                    | 95<br>96 |          | ᅴ        | $\vdash\vdash$  |               |          | $\dashv$   | -        | +        | $\dashv$ | - } |             | 145        | +        |
| <u> </u>     | 46<br>47                                   |                  | ,,,  |                 | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$  | -        |          |   | $\vdash$               | 97       |          |          | $\vdash$        |               | $\dashv$ | +  | +        | $\dashv$ | $\dashv$ | - } |             | 146        | -+       |
| <u> </u>     | 48   | -                | ¥  |                 |              | -        | $\dashv$ | $\dashv$  | $\dashv$ | -        |   | $\vdash$               | 98       | -        | 4        | $\vdash$        | $\vdash$      | ┥        | $\dashv$   | +        | +        | -        | - } |             | 147        | +        |
| ├            | 49   | -                | Y  | -               | $\dashv$     | -        | $\dashv$ | $\dashv$  | $\dashv$ | -        |   | $\vdash$               | 99       | -        | $\dashv$ | -               | -             | ↤        | ╅  | +        | +        |          | - } | $\dashv$    | 148<br>149 | +        |
| <del> </del> | 50   | -                |  | -               | -            | -        | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ |   | <del>     </del>       | 100      | -        | $\dashv$ | -               | -             | $\dashv$ | $\dashv$   | +        | ┥        | ᅱ        | ŀ   |             | 150        | +        |
|              |  |                  |  |                 |              |          |          |           |          |          |   |                        | . 50     | •        |          |                 |               |          | - 1  | •        |          |          |     |             | 100        | - 1      |

| CI       | aim        | Date     |            |          |              |          |          |                 |           |          |  |
|----------|------------|----------|------------|----------|--------------|----------|----------|-----------------|-----------|----------|--|
| Final    | Original   |          |            |          |              |          |          |                 |           |          |  |
|          | 101<br>102 |          | L          | F        | F            | F        | Ţ        | T               |           |          |  |
|          | 103        | t        | t          | t        | $^{\dagger}$ | $\perp$  | +        |                 | 1         | $\vdash$ |  |
|          | 104        |          | Г          | L        | T            | T        | I        | Γ               | L         | $\Box$   |  |
|          | 105<br>106 | ┢        | ┢          | ╁        | ╁            | ╁        | ╀        | 十               | ╁         | H        |  |
|          | 106<br>107 |          |            | L        |              | İ        | L        |                 |           |          |  |
|          | 108<br>109 | L        | ┡          | ╀        | ╀╌           | ╀        | ╄        | ╄               | ╀         | Н        |  |
|          | 110        | H        | ┢          | ╁        | t            | ╁        | t        | ╁               | ╁         | Н        |  |
|          | 111        |          |            | Г        |              | Γ        | Γ        | Γ               | Γ         | П        |  |
| _        | 112<br>113 | -        | ├-         | ┝        | ╀            | ╀        | ╁        | ╀               | ╀         | Н        |  |
|          | 114        |          | _          | $\vdash$ | $\vdash$     | 1        | +        | 十               | t         | Н        |  |
|          | 115        |          |            | L        |              |          | L        | Г               |           | П        |  |
| $\dashv$ | 116<br>117 | $\vdash$ | -          | ⊢        | ╀            | ╁        | ╁        | $\vdash$        | ⊢         | $\vdash$ |  |
|          | 118        |          |            |          |              | L        |          |                 |           |          |  |
|          | 119<br>120 |          | lacksquare | L        | L            | L        | L        | $oxed{igspace}$ |           | П        |  |
|          | 120        |          | ┝          | -        | H            | ╁        | ╁        | ┢               | ⊢         | Н        |  |
|          | 121<br>122 |          |            |          |              |          |          |                 |           |          |  |
| _        | 123<br>124 |          | L          | L        | $\vdash$     | ┞        |          | L               | _         | Ш        |  |
|          | 125        |          | $\vdash$   | $\vdash$ | ╁            | H        | H        | ┢╌              | ⊢         | Н        |  |
|          | 126<br>127 |          |            |          |              |          |          |                 |           |          |  |
| -        | 127        | _        | _          | -        | ⊢            | ┝        | ├-       | -               | L         | Н        |  |
|          | 128<br>129 |          | -          | $\vdash$ | ┢            | -        | $\vdash$ | 1               | -         | Н        |  |
|          | 130<br>131 |          |            |          |              |          |          |                 |           |          |  |
|          | 131        |          |            | -        | $\vdash$     | ├        | ├        | $\vdash$        | $\vdash$  | Н        |  |
|          | 133        |          |            |          |              |          |          |                 |           |          |  |
| $\Box$   | 134        | _        |            |          | Ĺ            | $\Box$   | 匚        |                 |           |          |  |
| $\dashv$ | 135<br>136 |          |            | $\vdash$ | ├            | $\vdash$ | $\vdash$ | $\vdash$        | Н         | Н        |  |
|          | 137        |          |            |          |              |          |          |                 |           |          |  |
| _        | 138        | $\dashv$ |            |          |              | _        | L        | Ц               | Щ         | Н        |  |
| $\dashv$ | 139<br>140 | -        | _          | -        | ├            | ┝        | ┝        | Н               | -         | $\dashv$ |  |
|          | 141        |          |            |          |              |          |          |                 |           |          |  |
|          | 142        |          | _          |          | L            | H        | H        | -1              |           | $\dashv$ |  |
| _        | 143        | -        |            | -        | _            | -        | H        | Н               | $\exists$ | $\vdash$ |  |
|          | 145        | コ        |            |          |              |          |          |                 |           | $\Box$   |  |
|          | 146<br>147 | -        | -          | -        | _            |          | H        | -               |           | $\dashv$ |  |
|          | 148        | $\dashv$ | $\dashv$   | -        | -            |          | $\vdash$ | $\vdash$        | $\dashv$  | $\dashv$ |  |
|          | 149        | _]       | Ц          |          |              |          |          | 耳               |           | $\Box$   |  |
|          | 150        |          |            |          |              | Ш        | Ш        |                 |           | $\Box$   |  |